

Claims

- [c1] 1. An easily tearable film, comprising a unidirectionally tearable film with a plurality of cutting lines thereon, wherein the unidirectionally tearable film has a tearing direction; and each cutting line has a first end point and a second end point, and has a joining point with an imaginary straight line parallel to the tearing direction that passes the first end point of a next cutting line.
- [c2] 2. The easily tearable film of claim 1, wherein the joint point is the second end point of the cutting line.
- [c3] 3. The easily tearable film of claim 1, wherein the joint point is a point between the first end point and the second end point of the cutting line.
- [c4] 4. The easily tearable film of claim 1, wherein each cutting line is a straight line or a curved line.
- [c5] 5. The easily tearable film of claim 1, wherein the cutting lines are arranged along a straight line, a curved line or a zigzag line.

- [c6] 6. The easily tearable film of claim 1, wherein the shape of each cutting line is uniform or variable.
- [c7] 7. The easily tearable film of claim 1, wherein the unidirectionally tearable film is a uniaxially oriented polymer film that comprises a polymer selected from the group consisting of nylon, polyvinyl alcohol (PVA), polyester, polyethylene terephthalate (PET), polypropylene (PP), polyethylene (PE), polycarbonate (PC), polystyrene (PS), polysulfone, polyimide (PI) and polyvinyl chloride (PVC).
- [c8] 8. The easily tearable film of claim 1, wherein the unidirectionally tearable film is a uniaxially oriented polymer film, synthetic paper or a plant fiber film.
- [c9] 9. The easily tearable film of claim 8, wherein the synthetic paper is selected from the group consisting of polypropylene synthetic paper, polyester synthetic paper and polyethylene synthetic paper.
- [c10] 10. The easily tearable film of claim 1, further comprising an adhesive layer on a surface of the unidirectionally tearable film.
- [c11] 11. The easily tearable film of claim 10, wherein the adhesive layer is a solvent sensitive adhesive layer, a pressure sensitive adhesive layer or a heat sensitive adhesive layer.

- [c12] 12. A method for preparing an easily tearable film, comprising:
providing a unidirectionally tearable film that has a tearing direction; and
forming a plurality of cutting lines on the unidirectionally tearable film, wherein each cutting line has a first end point and a second end point and has a joining point with an imaginary straight line parallel to the tearing direction that passes the first end point of a next cutting line.
- [c13] 13. The method of claim 12, wherein the joint point is the second end point of the cutting line.
- [c14] 14. The method of claim 12, wherein the joint point is a point between the first end point and the second end point of the cutting line.
- [c15] 15. The method of claim 12, wherein the cutting lines are formed on the unidirectionally tearable film with a rolling method, a pressing method, an etching method, a water knife, an air knife, scissors, dispenser or laser.
- [c16] 16. The method of claim 12, wherein the unidirectionally tearable film is a uniaxially oriented polymer film that comprises a polymer selected from the group consisting of nylon, polyvinyl alcohol (PVA), polyester, polyethylene

terephthalate (PET), polypropylene (PP), polyethylene (PE), polycarbonate (PC), polystyrene (PS), polysulfone, polyimide (PI) and polyvinyl chloride (PVC).

[c17] 17. The method of claim 12, wherein the unidirectionally tearable film is a uniaxially oriented polymer film, synthetic paper or a plant fiber film.

[c18] 18. The method of claim 17, wherein the synthetic paper is selected from the group consisting of polypropylene synthetic paper, polyester synthetic paper and polyethylene synthetic paper.

[c19] 19. The method of claim 12, further comprising forming an adhesive layer on a surface of the unidirectionally tearable film.

[c20] 20. The method of claim 19, wherein the adhesive layer is a solvent sensitive adhesive layer, a pressure sensitive adhesive layer or a heat sensitive adhesive layer.